

WHAT IS CLAIMED IS:

1. A network drawing system, comprising:
 - a first input unit designating a first query belonging to a first category;
 - a second input unit designating a second query belonging to a second category;
 - a data storage device storing a degree of association between terms belonging to a third category containing the first category and the second category in the form of a plurality of sets of tables;
 - a calculation device which associates the input first query and second query through a plurality of terms, using the table stored in said data storage device; and
 - a display device displaying on a screen of a network of terms having connected the first query and the second query through the plurality of terms based on a result of calculation made by said calculation device.
2. The network drawing system according to Claim 1, further comprising a third input unit for designating a drawing condition; and
 - said network being displayed according to said drawing condition.
3. The network drawing system according to Claim 1, wherein said data storage device further stores attributes of said terms.
4. The network drawing system according to Claim

1, wherein at least one of said first query and said second query is plural.

5. The network drawing system according to Claim 1, wherein among routes connecting said first query and said second query, a route having the highest degree of association between the terms is displayed by a highlight line.

6. The network drawing system according to Claim 1, wherein

said first category is at least one of a disease name, a symptom, a protein name, a gene name, a compound name, a gene function and a protein's function; and

said second category is at least one of the compound name, the protein name and the gene name.

7. The network drawing system according to Claim 1, wherein

the association between said terms is extracted according to co-occurrence between terms or phrase patterns.

8. The network drawing system according to Claim 1, wherein

the network between terms is re-displayed interactively by changing the setting of said third input unit.

9. The network drawing system according to Claim 1, wherein

the connection between terms or editing for

addition or deletion of a term itself can be conducted interactively by changing the setting of said third input unit.

10. The network drawing system according to Claim 1, further comprising a synonym dictionary for converting at least one query input through said first input unit or said second input unit into a standardized term.

11. The network drawing system according to Claim 1, wherein

the association between said terms is displayed on the screen at the same time.

12. The network drawing system according to Claim 1, wherein

when said term has a hierarchy, said term is displayed hierarchically.

13. The network drawing system according to Claim 1, wherein

said second category is a gene name, and said gene name is displayed along a horizontal axis of said screen, and a lod score is displayed for each gene of the horizontal axis or together with information on a chromosome position.

14. The network drawing system according to Claim 1, wherein the association between said terms is displayed together with the result of gene clustering.

15. The network drawing system according to Claim 1, wherein

when a result of displaying the network does not match with a result of the gene clustering, a route connecting the first query and the second query which do not match with each other is displayed by a highlight line.

16. A network drawing method, comprising the steps of

inputting a first query belonging to a first category into a first input unit;

inputting a second query belonging to a second category into a second input unit;

using a data storage device having a degree of association between terms belonging to a third category including said first category and said second category stored in the form of a plurality of sets of tables to associate said input first and second queries through a plurality of terms; and

displaying on a display device a network of terms having connected said first query and said second query through said plurality of terms according to a result of said associating.

17. The network drawing method according to Claim 16, comprising connecting to said data storage device through an Internet.